

Wind.—Prevailing direction, southwest.—*Prof. B. F. Thomas, Columbus, director; Lieut. Charles E. Kilbourne, secretary; C. M. Strong, Corporal, Signal Corps, assistant.*

(OREGON.)

The month was marked by extremely low temperature in the latter part, excessive precipitation in the first part, and floods in the Willamette, Umpqua, and Rogue rivers during the first eight days.

Temperature.—The mean was 2.7 below the normal; maximum, 67, at Toledo; minimum, -30, at Silver Lake.

Precipitation.—The average was 3.00 above the normal; greatest monthly, 23.68, at Ellensburg; least monthly, 1.38, at Heppner. Snow fell in all sections of the state, from trace in the central portion of Willamette Valley to 28 inches at Joseph.

Wind.—Prevailing direction, southwest.—*Hon. H. E. Hayes, Master State Grange, Oswego, director; B. S. Pague, Sergeant, Signal Corps, assistant.*

(PENNSYLVANIA.)

Temperature.—The mean was about 8 above the normal, and 14 above that of the corresponding month of 1889; highest monthly mean, 42.1, at Uniontown; lowest monthly mean, 30.2, at Dyberry; maximum, 79, at New Bloomfield, 26th; minimum, zero, at Dyberry, 23d; greatest daily range, 42, at Dyberry and Honesdale, 23d; least daily range, 2, at Le Roy, 19th, Rimerburgh, 15th, Annville, 4th, and Columbus, 12th.

Precipitation.—The average was nearly normal, and its distribution was even throughout the state.

Wind.—Prevailing direction, west.—*Under direction of the Franklin Institute, Philadelphia; T. F. Townsend, Sergeant, Signal Corps, assistant.*

(SOUTH CAROLINA.)

Temperature.—Highest monthly mean, 61.4, at Hardeeville; lowest monthly mean, 52.2, at Spartanburg; maximum, 83, at Hardeeville, 25th and 26th; minimum, 21, at Spartanburg, 21st; greatest local monthly range, 35, at Port Royal.

Precipitation.—The rainfall was a little less than the normal; greatest monthly, 6.03, at Walhalla; least monthly, 0.85, at Conway.

Wind.—Prevailing direction, southwest.—*Hon. A. P. Butler, Columbia, director; J. W. Cronk, Private, Signal Corps, assistant.*

(TENNESSEE.)

The month was characterized by many abnormal meteorological features, the principal of which were the high winds, the great amount of precipitation, and the high temperature.

Temperature.—The mean was 7.5 above the normal, and it is the highest mean during the past seven years; highest monthly mean, 52, at Chattanooga; lowest monthly mean, 47, at Riddleton, Rugby, and Trenton; maximum, 79, at Memphis, 24th; minimum, 18, at Hohenwald, 9th; greatest local monthly range, 60, at Hohenwald; least local monthly range, 42, at Rogersville; greatest daily range, 38, at Springdale, Hohenwald, and Riddleton, 11th, 16th, and 28th, respectively; least daily range, 3, at Memphis, 6th and 8th, Greeneville and Florence Station, 6th, Fayetteville, 7th, and Lawrenceburg, 8th.

Precipitation.—The precipitation was nearly 4.00 in excess of the normal of the past seven years, and it was the greatest February average in that time; greatest monthly, 16.75, at Lawrenceburg; least monthly, 6.40, at Cog Hill.

Wind.—Prevailing directions, south and southwest.—*J. D. Plunket, M. D., Nashville, director; H. C. Bate, Signal Corps, assistant.*

(TEXAS.)

Temperature.—The month was warm from the 1st to the 27th, and the mean temperature was considerably in excess of the normal; highest monthly mean, 64.0, at Corpus Christi; lowest monthly mean, 39.3, at Panhandle; maximum, 89, at Brownsville, 27th; minimum, -2, at Panhandle, 28th; greatest local monthly range, 79, at Panhandle; least local monthly range, 86, at Houston.

Precipitation.—The precipitation was nearly normal, except east of the ninety-seventh meridian, where it was from 2.00 to 5.00 in excess; greatest monthly, 12.85, at Longview; least monthly, 0.02, at El Paso.—*D. D. Bryan, Galveston, director; I. M. Cline, Sergeant, Signal Corps, assistant.*

Meteorological record of Army post surgeons, voluntary, and other co-operating observers, February, 1890.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Alabama.	0	0	0	Ins.	Arizona—Cont'd.	0	0	0	Ins.
Bermuda ♦.....	81	31	59.7	1.21	Ash Springs.....	60	33	47.8	0.53
Citronelle.....	83	33	64.0	4.28	Banghart's.....	69	18	42.6	1.00
Columbiana ♦.....	79	26	56.5	9.44	Benson.....	75	27	48.5	0.00
Decatur (1) ♦.....	.....	.....	9.42	.....	Bisbee.....	.....	.....	0.20	.....
Decatur (2) ♦.....	.....	.....	8.54	.....	Casa Grande.....	84	40	56.1	0.61
Double Springs.....	77	24	55.3	11.42	Cootie's Springs.....	.....	.....	2.79	.....
Evergreen ♦.....	.....	.....	5.11	.....	Dragoon.....	.....	.....	0.43	.....
Livingston (1)	81	31	57.7	6.72	Eagle Pass.....	.....	.....	0.43	.....
Mt. Vernon B'ks.....	82	31	61.0	4.35	Fort Apache.....	80	11	41.2	1.92
Pine Applef.....	.....	.....	1.49	.....	Fort Bowie.....	72	21	49.4	0.22
Valley Head ♦.....	76	24	50.8	11.61	Fort Huachuca.....	64	21	43.8	0.10
Wiggins.....	83	33	61.2	7.97	Fort Grant.....	74	22	48.4	0.46
Alaska.	.....	.....	.....	.....	Fort Lowell.....	87	21	52.4	0.55
Juncave.....	38	-2	22.4	6.55	Fort McDowell.....	89	25	54.2	1.33
Arizona.	.....	.....	.....	.....	Fort Mojave.....	80	30	52.8	1.10
Ash Creek.....	.....	.....	0.28	.....	Gila Bend.....	66	34	55.9	0.40

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Arizona—Cont'd.	0	0	0	Ins.	California—Cont'd.	0	0	0	Ins.
Holbrook.....	74	9	41.0	0.25	Glen Ellen.....	75	24	47.4	7.49
Lochiel.....	74	22	46.0	0.43	Goshen.....	70	28	46.9	1.13
Maricopa.....	83	34	58.6	0.22	Grass Valley.....	.....	.....	.....	8.27
Natural Bridge.....	.....	.....	3.50	.....	Haywards.....	63	32	45.0	3.99
Pantano.....	78	32	50.7	0.00	Hollister.....	85	30	55.6	2.15
Sachse's Ranch.....	88	18	51.0	1.40	Hornbrook.....	58	10	36.6	9.91
San Carlos.....	90	30	55.0	T.	Hydeville ♦.....	63	24	43.4	10.13
San Simon.....	90	30	55.0	T.	Indio.....	98	30	60.8	0.06
Show Low.....	.....	.....	3.10	.....	Ione Hill.....	60	24	44.1	3.75
Signal f.....	79	27	51.4	1.31	Jolon.....	67	22	40.8	10.74
Tevislon.....	.....	.....	.....	.....	Kelton.....	.....	.....	42.3	4.59
Texas Hill.....	89	22	47.8	0.40	Keene.....	65	28	42.6	1.97
Tip Top t.....	.....	.....	6.06	.....	Kingborough.....	62	30	43.2	1.43
Tucson (1).....	79	26	51.9	0.76	King City.....	70	22	44.8	3.01
Tucson (2).....	63	43	51.6	0.10	Knight's Landing.....	66	36	52.9	4.18
Volunteer Springs.....	75	-27	20.7	2.20	La Grange.....	70	20	45.9	3.77
Walnut Grove.....	.....	.....	4.50	.....	Lathrop.....	70	32	50.7	2.15
Walnut Ranch.....	.....	.....	0.08	.....	Laurel.....	70	31	47.9	9.10
Wilcox.....	82	25	51.8	.....	Lewis Creek.....	68	33	47.0	1.09
Willow Springs.....	.....	.....	1.74	.....	Livingston.....	65	28	46.8	1.61
Yuma.....	90	42	57.3	0.86	Long Beach.....	88	38	55.0	.....
<i>Arkansas.</i>									
Arkansas City ♦.....	.....	.....	5.58	.....	Loomis.....	.....	.....	4.91	.....
Camden f.....	78	24	54.0	6.54	Los Angeles.....	82	35	53.4	1.49
Conway.....	78	20	50.4	11.08	Los Banos (1).....	68	30	48.0	1.03
Dallas.....	79	8	49.5	4.95	Los Banos (2).....	68	35	46.5	1.46
Dardanelle.....	.....	.....	10.23	.....	Mammoth Tank.....	84	41	59.0	0.54
Forrest City ♦.....	76	26	54.3	7.09	Martinez.....	59	28	45.7	6.60
Fultont.....	.....	.....	5.75	.....	Marysville.....	62	39	47.2	4.65
Harrisburgh.....	74	20	47.4	8.47	Mendocino.....	.....	.....	6.98	.....
Helena (1).....	.....	.....	9.30	.....	Menlo Park.....	65	30	47.8	3.27
Hot Springs.....	78	26	53.2	5.91	Merced.....	72	32	49.9	1.50
Lead Hill.....	81	5	44.3	5.32	Modesto.....	66	25	44.1	1.03
Little Rock B'ks.....	79	20	52.4	6.42	Mojave.....	72	23	45.4	0.58
Lonoke.....	77	22	53.8	6.20	Montague.....	58	24	38.5	6.05
Monticello.....	76	20	51.0	5.10	Monterey ♦ (Hotel del Monte).....	60	32	47.9	2.67
Newport (1).....	.....	.....	12.59	.....	Mount Hamilton.....	68	28	48.7	.....
Osciele.....	79	28	49.2	7.73	Mount Hamilton.....	61	18	36.8	6.60
Ozone f.....	70	7	44.7	7.40	Napa.....	65	25	49.7	6.59
Pine Bluff f.....	80	24	53.5	8.35	National City f.....	79	35	54.1	2.73
Stuttgart f.....	79	21	51.0	7.17	Newark.....	68	34	50.6	3.34
Texarkana f.....	80	10	57.0	5.82	Newhall.....	83	28	50.7	4.41
Washington f.....	78	19	51.3	6.09	Newman.....	68	34	48.1	3.25
Winslow f.....	72	-4	45.1	5.01	Niles.....	74	32	52.7	3.42
<i>California.</i>									
Alcade.....	68	33	48.6	5.93	Norwalk.....	82	36	53.1	1.08
Alcatraz Island.....	62	36	47.6	4.42	Oakland (1).....	63	30	47.7	5.72
Almaden.....	72	28	48.8	5.92	Oakland (2).....	66	32	49.2	5.45
Anaheim.....	80	34	58.3	1.54	Oakland (3).....	.....	.....	5.90	.....
Anderson.....	67	26	46.2	5.93	Orland.....	68	30	48.9	1.63
Angel Island.....	67	31	48.3	4.07	Oroville.....	64	30	47.9	5.95
Antioch.....	68	35	48.0	2.97	Pajaro.....	70	30	48.4	5.11
Aptos.....	68	28	49.0	4.60	Pasadena.....	77	29	51.2	2.83
Arcata.....	.....	.....	14.78	.....	Paso Robles.....	66	23	44.0	5.40
Athlone.....	76	34	50.2	1.19	Petaluma.....	72	30	48.7	4.90
Auburn.....	70	24	44.0	3.96	Placerville.....	69	25	43.2	6.60
Bakersfield.....	67	33	49.2	0.16	Puente.....	79	35	52.0	2.70
Barstow f.....	77	23	47.6	0.15	Red Bluff.....	85	33	49.4	3.28
Beaumont.....	68	24	47.7	4.74	Redding.....	68	30	46.2	6.76
Belmont.....	65	31	48.4	.....	Rocklin.....	70	35	49.3	3.01
Benicia Barracks.....	67	29	46.9	4.85	Rumsey.....	70	31	47.0	4.52
Berendo.....	68	30	49.1	0.73	Sacramento (1).....	68	25	43.3	4.02
Berkeley.....	61	32	46.1	5.70	Sacramento (2).....	64	34	48.4	2.95
Bishop Creek.....	72	21	41.4	0.30	Salinas (1).....	69	32	46.7	3.03
Boca.....	60	26	46.0	10.62	Salinas (2).....	63	30	46.2	2.74
Boulder Creek.....	70	26	46.0	10.62	Salton.....	84	30	57.3	.....
Brentwood.....	67	35	53.7	3.35	Sanger Junction.....	72	30	50.0	1.48
Brighton.....	72	32	50.7	2.26	San Ardo.....	70	27	46.7	3.59
Byron.....	63	30	49.7	2.35	San Diego B'ks.....	78	39	54.7	2.11
Cactus.....	99	49	65.2	0.55	Rumsey.....	70	31	53.3	1.66
Caliente.....	70	33	48.2	1.15	Santa Ana.....	80	36	53.3	1.66
Castiloga.....	65	24	43.5	4.78	Santa Barbara (1).....	86	34	52.6	2.96
Castroville.....	65	33	48.7	3.33	Santa Barbara (2).....	69	40	52.4	3.38
Centreville.....	74	40	52.1						

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean	
California—Cont'd.	o	o	o	Ins.
Tracy*	55	28	40.2	1.98
Traver*	90	30	50.8	1.10
Tropico*	82	36	50.9	....
Truckee*	42	-22	25.1	8.90
Tulare*	67	33	50.6	0.74
Turlock*	72	32	50.1	1.18
Upper Mattole*	73	26	47.5	20.36
Vacaville (1)*	70	31	47.2	5.71
Vacaville (2)*	70	39	46.6	5.49
Valley Springs*	74	33	44.8	3.62
Vina*	63	32	45.5	3.58
Volcano Springs*	89	38	58.7	0.68
Walla Walla Ck.	48	3	31.7	9.10
Westley*	65	32	50.3	1.66
Wheatland*	66	28	45.6	4.17
Whittier*	80	45	61.4	1.58
Williams*	55	33	41.8	2.90
Willow (1)*	69	28	46.6	2.70
Willow (2)*	68	30	47.4	1.98
Winters*	74	34	50.1	5.03
Woodland*	64	30	45.6	2.40
Colorado.				
Agate*	62	-16	26.4	0.50
Apishapa	78	2	33.6	0.20
Aspen	49	-12	23.2	4.40
Bennet	70	-10	23.7	0.62
Boulder Canon				0.48
Breckenridge	73	-27	27.1	1.40
Brush				....
Byers*	74	-8	30.6	0.15
Cafion City	79	9	36.8	0.20
Cheyenne Wells*	70	-10	32.9	0.25
Climax*	46	-26	13.0	2.51
Deer Trail*	64	-8	24.9	0.30
Delta†	64	-8	34.6	0.85
Denver (Jes. Col.)	72	-11	32.2	0.17
Durango (1)				0.46
Durango (2)	72	-5	38.0	2.62
Eagle Farm.				0.23
Emma				1.45
First View*	72	-10	30.7	0.15
Fort Collins	68	-20	30.0	0.21
Fort Crawford	56	-11	30.6	0.55
Fort Lewis	58	-16	27.9	2.30
Fort Logan	77	-11	33.3	0.08
Fort Morgan				0.03
Fraser†	-24	12.8	2.55	
Fruita	56	-14	33.4	0.93
Georgetown	57	-6	26.2	0.82
Greeley	66	-16	25.8	0.25
Gunnison	50	-20	20.6	
Beasom				0.05
Bardin				0.05
Hugo*	70	0	40.0	
Husted	77	-15	32.4	0.13
Kit Carson	65	-6	37.1	0.05
Kirk				0.40
Lamar	80	-5	35.0	0.10
Las Animas	80	-11	34.2	0.40
Leadville	50	-15	17.2	0.68
Magnolia*	68	-2	29.1	0.72
Monte Vista	64	-10	27.4	0.12
Moroine*	54	-12	26.1	0.70
Parnchute				1.29
Peyton				....
Ride Falls*	49	0	28.3	2.66
River Bend	72	-13	33.5	
Rocky Ford	79	-8	29.8	0.15
San Luis Ex. Sta.	65	-7	30.2	0.65
Sedgwick				0.14
T. S. Ranch	58	-5	34.1	0.99
Thon	70	-10	30.2	0.14
Villas				0.11
Villa Grove				0.60
Watkins	77	-8	31.8	0.80
Westcliffe	63	-15	29.0	0.50
Wigwam				0.03
Connecticut.				
Canton	62	4	....	4.39
Colchester	66	8	33.0	....
Falls Village				3.40
Fort Trumbull	65	12	36.7	2.25
Hartford (1)	68	8	35.2	3.91
Hartford (2)				3.64
Lebanon				3.24
Mansfield	64	5	31.4	3.28
Middletown	67	9	34.2	3.28
New Britain				3.99
New Hartford (1)*	54	-3	23.3	3.85
New Hartford (2)				4.05
Shelton	65	11	34.5	4.03
Southington	65	10	33.6	3.88
South Manchester				3.27
Thompson	54	4	....	30.1
Uncasville				3.18
Voluntown*	62	9	34.8	2.59
Wallingford				3.09
Waterbury	65	8	33.7	3.77
West Simsbury				3.70
Delaware.				
Kirkwood*	24	37.8	....
District of Columbia.				
Kendall Green.	60	22	41.2	....
Washington B'ks.	73	20	42.5	3.70
Florida.				
Altamonte Springs	88	44	68.0	0.55

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean	
Florida—Cont'd.	o	o	o	Ins.
Alvah†	91	45	66.9	1.98
Archer†	89	42	65.4	1.28
Fort Barrancas	79	36	63.7	2.40
Fort Meade	86	44	68.8	1.35
Homeland	88	49	69.6	0.65
Hypoluxo	....	59	70.0	6.37
Lake City†	87	42	65.5	0.68
Madison†	80	47	61.6	3.00
Manatee†	90	50	67.5	3.05
Matanzas*	87	52	66.0	0.45
Merritt's Island†	86	55	68.3	1.15
Ocala*	86	64	64.3	1.53
Pine Level	....	55	68.0	1.54
San Antonio	88	54	64.4	....
St. Francis B'ks	81	45	65.5	1.00
Tallahassee	81	39	61.1	3.75
Villa City†*	86	52	67.5	0.59
Gorgia.				
Athens (1)	76	32	54.7	2.89
Athens (2)†	78	30	55.0	1.82
Camilla*	83	38	61.2	3.57
Diamond*	28	28	52.5	10.75
Forsyth*	80	37	59.6	4.39
Fort McPherson	76	29	55.3	3.58
Gillaville*	75	36	56.0	6.32
Hephzibah*	80	41	60.6	0.14
Jesup†				1.23
Louisville	85	38	59.6	1.98
Marietta†	75	25	52.5	5.20
Milledgeville†	79	36	56.7	1.74
Millen	85	37	58.8	....
Monticello*	....	36	54.0	3.52
Point Poter*	31	32	52.2	2.55
Perry	38	37	57.9	2.19
Quitman (1)*	79	43	62.5	3.80
Thomassville (1)	81	37	61.9	2.94
Woolley's Ford*	72	26	50.6	....
Idaho.				
Boise Barracks	56	-8	33.9	1.83
Era†	44	-20	22.6	4.87
Fort Sherman	55	-27	26.0	5.80
Kootenai	50	-26	21.4	2.94
Lewiston	58	-9	32.7	1.14
Mullan	45	-27	24.0	2.00
Soda Springs†	45	-29	21.2	3.50
Illinois.				
Atwood	70	10	33.4	3.71
Aurora (1)†	64	3	30.6	1.18
Aurora (2)*	63	3	31.4	1.68
Beardstown				0.90
Des Moines	68	8	34.5	1.36
Belvidere	60	2	30.4	1.89
Centralia	76	10	40.0	5.26
Charleston	70	11	36.4	3.41
Cockrell	60	4	29.6	....
Collinsville	76	6	39.6	3.88
Dwight	66	5	34.6	1.45
East Peoria	72	10	37.1	1.57
Flora	75	14	40.5	4.74
Fort Sheridan	56	-2	32.6	1.84
Gibson City*	63	2	33.3	1.00
Golconda*	76	18	44.0	7.47
Grand Tower†				7.61
Greenville	74	8	37.7	4.50
Griggsville*	65	4	33.4	1.43
Hennepin	66	6	32.2	2.03
Iriahtown				3.86
Jordans Grove*	78	8	38.7	3.93
Lacov	67	7	33.3	1.86
Lake Forest	60	3	30.5	1.77
Lanark*	57	2	29.9	1.61
Louisville	73	14	39.9	4.15
Mascoutah*	73	8	47.0	....
McLeansborough	75	14	42.1	5.23
Mount Carmel†				7.41
Oiley	72	14	41.7	4.48
Oswego*	64	2	30.2	1.30
Osage	64	-13	26.5	1.10
Oskaloosa (1)*	63	1	29.0	0.85
Storm Lake*	54	-19	19.4	0.44
Vinton*	54	-3	26.2	0.50
Washington*	63	2	31.4	1.27
Webster City*	54	-10	21.6	0.85
Wesley†	51	-13	19.8	0.45
West Bend†	51	-12	19.4	1.35
Kansas.				
Abilene	66	-2	31.6	0.32
Allison*	70	-11	23.4	0.40
Arlington				0.50
Augusta	72	-2	34.3	....
Belleville	58	-10	35.1	....
Bendena		2	28.7	0.16
Bucklin				0.40
Buffalo Park	68	-10	32.3	....
Bunker Hill	72	-6	33.9	0.40
Burr Oak	69	-10	32.4	0.15
Cairo*	68	4	32.4	0.40
Carmelio	74	-2	34.8	0.30
Cawker City	58	-6	31.7	0.20
Collyer	62	-8	31.3	0.60
Conway	70	-6	32.0	0.85
Cunningham*	75	-8	32.4	....
Dorrance	78	-2	31.4	0.35
Elk Falls†				T.
Ellis (1)	74	-8	32.4	0.60
Ellis (2)	75	-6	33.2	0.60
Ellsworth	68	-2	33.2	0.50
Emporia	71	1	34.2	....
Englewood*	72	0	36.6	0.27
Ft. Leavenworth (1)	70	-4	33.0	1.24
Ft. Leavenworth (2)	66	-2	30.3	0.55
Fort Riley	65	-5	30.5	0.21

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean	
Indiana—Cont'd.	o	o	o	Ins.
Evansville	91	45	66.9	7.33
Farmland	66	14	40.0	3.91
Franklin	69	16	39.4	6.25
Huntingburgh	78	19	43.2	12.12
Huntington†	71	21	44.2	2.90
Laconia	76	20	43.7	7.10
La Fayette	69	6	38.0	2.52
Logansport (1)				2.53
Logansport (2)	64	10	33.7	2.66
Marengo	73	23	45.3	7.70
Marion	67	9	34.5	1.40
Mauzy	66	12	36.0	5.52
Mount Vernon (1)				6.81
Muncie	68	18	39.7	....
New Providence</td				

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Louisiana—Cont'd.	°	°	°	Ins.	Massachusetts—Con.	°	°	°	Ins.
Edgard	82	41	65.8	2.84	Nahant	57	6	31.8	.....
Emilie	80	36	62.6	.....	New Bedford (1)	60	9	33.5	5.20
Farmerville	88	20	56.7	5.20	New Bedford (2)	63	9	35.0	2.85
Girard (1)	81	42	66.0	5.07	Newburyport (1)	60	— 2	31.3	4.27
Grand Cane	81	21	58.7	5.40	Newburyport (2) .....	.....	.....	4.76	.....
Grand Coteau	80	30	64.5	3.85	Northampton	51	4	31.4	4.58
Hammond	84	30	65.2	3.43	North Billerica	62	0	31.9	3.80
Houma (1)	82	36	62.7	3.79	Plymouth	61	8	32.6	3.60
Jackson Barracks	32	.....	3.30	Princeton	56	— 6	27.3	2.60	
Jeanerette	84	37	60.5	2.95	Provincetown	55	9	35.0	2.92
Jonesville	81	50	66.0	2.80	Randolph .....	.....	.....	3.35	.....
La Fayette (1)	82	35	63.9	3.46	Roberts' Dam .....	.....	.....	2.86	.....
Lake Charles	85	20	60.2	2.55	Royalston	52	2	33.1	.....
Liberty Hill	82	26	58.0	4.44	Salem (1)	54	3	33.6	.....
Luling	83	30	62.1	3.49	Salem (2) .....	.....	.....	3.21	.....
Mandeville	81	33	65.7	1.82	Somerset	66	— 4	35.3	2.93
Marksville*	83	22	62.6	4.50	South Hingham .....	.....	.....	3.45	.....
Maurepas	83	30	61.0	3.14	Springfield Arm'y	60	5	32.8	4.07
Melville (1)	81	32	61.6	6.44	Taunton (1)	65	6	34.3	3.62
Minden (1)	80	24	56.4	2.23	Taunton (2)	66	6	35.0	3.50
Monroe (1)	76	28	57.5	4.25	Taunton (3)	66	3	34.2	3.70
New Iberia	85	36	65.6	3.73	Wakefield	57	— 3	29.8	3.61
Plaquemine	83	28	60.8	3.42	Waltham .....	.....	.....	3.28	.....
Port Eads	79	40	66.3	3.55	Wellesley	63	6	34.1	2.84
Shell Beach	81	26	61.6	2.50	Westborough*	60	2	33.6	3.02
Sugar Ex. Station	81	36	62.4	3.10	Williamstown	55	0	29.4	3.92
Thibodeaux .....	.....	.....	2.05	Winchester .....	.....	.....	3.39	.....
Vidalia	83	32	61.4	8.69	Worcester (1)*	62	4	32.8	.....
<i>Maine.</i>					<i>○ Mexico.</i>				
Bar Harbor	53	— 2	24.7	3.64	La Logia	86	43	62.8	T.
Belfast*	48	0	24.9	.....	Leon de Aldemas	81	39	59.7	T.
Calais	49	— 7	22.4	4.41	Zacatecas	80	23	52.8	0.01
Cornish	48	— 4	23.6	4.43	<i>Michigan.</i>				
Fairfield	47	— 16	20.5	3.31	Adrian	64	11	32.2	3.02
Farmington	— 8	18.4	5.42	.....	Albion (1)	61	14	32.8	2.26
Fort Preble .....	.....	.....	3.60	Albion (2) .....	.....	.....	1.87	.....
Gardiner	56	— 2	24.9	3.78	Allegan .....	.....	.....	2.24	.....
Kennebec Arsenal	42	— 5	19.8	.....	Alma	59	4	27.4	2.07
Kent's Hill	48	— 8	19.1	3.56	Ann Arbor	61	10	31.7	1.38
Lewiston	51	— 4	22.3	4.14	Arbela .....	.....	.....	1.98	.....
Orono (1)	46	— 9	22.7	4.52	Atlantic*	34	1	13.3	3.36
Petit Menan	45	4	25.2	.....	Ball Mountain	59	10	29.0	1.57
West Jonesport	48	1	23.6	.....	Bangor	63	16	34.1	2.35
<i>Maryland.</i>					Bear Lake	50	7	25.3	3.26
Barren Creek Sp'g'st	71	25	45.4	2.95	Bell Branch*	62	12	30.5	2.03
Cumberland (1)	70	17	40.0	4.24	Benton Harbor	66	17	37.5	2.07
Cumberland (2)	76	19	42.4	3.66	Benzonia	49	8	26.6	2.57
Fallston	74	20	40.5	6.07	Berlin	61	11	33.8	1.82
Fort McHenry	71	21	42.5	3.88	Berrien Springs*	64	14	33.4	2.16
Frederick	74	24	42.4	4.02	Big Rapids	54	9	28.0	1.68
Gaithersburgh*	68	22	38.0	.....	Birmingham	61	11	32.5	1.88
Galeton*	25	41.8	3.69	.....	Bronson	60	12	29.8	2.09
Gambrells*	25	43.6	2.47	.....	Buchanan	62	11	33.1	2.98
Jewell	27	43.6	5.55	.....	Calumet	47	— 4	17.5	2.11
Leonardtown	73	26	44.2	4.40	Cassopolis	62	13	34.3	2.12
McDonogh	66	20	41.3	5.38	Caldwell	50	6	24.7	2.60
Mt. St. Mary's Col't	70	12	40.2	3.97	Charlevoix	44	5	22.8	1.70
<i>Massachusetts.</i>					Chase	52	2	26.8	1.03
Amherst	59	2	32.4	3.08	Chelsea	62	5	32.8	1.85
Amherst Ex Sta (1)	60	3	30.8	4.01	Clinton	62	10	32.2	2.13
Andover	55	0	30.3	.....	Colon	62	14	30.6	2.20
Blue Hill (sum't')	61	0	30.5	2.96	Columbiaville	58	10	31.3	.....
Blue Hill (base)	64	— 3	32.2	3.15	Concord	62	13	32.6	1.73
Blue Hill (valley)	65	— 3	32.5	2.43	Crystal Falls	50	— 5	17.2	1.73
Boston .....	.....	.....	3.05	East Tawas	55	1	28.4	1.31	
Brewster	64	11	36.2	2.57	Eden	62	9	31.3	2.03
Cambridge (1)	60	0	31.2	2.85	Evert	53	2	26.7	3.82
Cambridge (2)	62	— 3	31.7	5.22	Fitchburgh .....	.....	.....	2.26	.....
Chestnut Hill	63	— 2	32.0	3.12	Flint	61	7	30.2	0.77
Chicopee .....	.....	.....	4.24	Fort Brady	46	— 16	17.8	2.65	
Clinton .....	.....	.....	1.95	Fort Mackinac	41	— 21	15.5	1.72	
Coutiut	58	7	34.2	2.65	Freight Wayne	62	11	33.1	2.07
Deerfield	56	— 1	30.6	.....	Fremont*	54	8	29.1	1.77
Dudley	62	5	30.8	3.03	Gaylord	47	1	20.8	.....
Fall River (1)	60	10	33.3	3.18	Gladwin	53	5	28.4	1.69
Fiskdale .....	.....	.....	3.75	Grand Rapids	59	11	30.2	1.05	
Fitchburg (1)*	55	— 2	28.7	3.68	Grape	64	11	34.2	1.94
Fitchburg (2)	59	0	30.3	4.07	Grayling	46	2	26.2	2.62
Fort Warren	47	3	29.2	2.84	Gulliver Lake	39	— 4	19.9	2.95
Framingham	62	— 1	32.6	3.60	Hanover	61	7	34.2	1.78
Gilbertville	57	— 4	30.8	2.96	Harrison	51	0	1.80	.....
Groton (1)	60	— 7	30.0	3.84	Harrisville	50	— 8	25.3	1.73
Heath	50	— 6	26.8	.....	Hart	52	10	32.5	0.97
Holyoke	60	4	33.1	4.66	Hartford	60	16	33.5	2.10
Kendall Green	54	— 4	32.4	2.96	Hastings	61	11	31.4	2.00
Lake Cochituate	65	— 5	32.6	3.26	Hayes	62	9	30.5	1.00
Lawrence	57	— 3	30.2	3.58	Highland Station*	59	10	30.3	1.49
Leicester	57	0	28.4	3.81	Hillman	64	11	21.8	2.20
Leominster .....	.....	.....	3.91	Hilldale	64	14	33.2	1.75	
Long Plain*	64	4	33.4	3.16	Hudson	63	5	30.9	2.00
Lowell (1)	58	2	30.5	3.75	Ionia	60	5	34.2	2.57
Lowell (2)	60	— 2	30.7	.....	Ivan	49	3	24.9	2.00
Lowell (3)	60	2	30.6	.....	Jeddo	56	10	28.9	1.77
Ludlow (1)	67	4	33.7	4.19	Kalamazoo	62	11	34.0	1.53
Ludlow (2)	60	— 4	30.4	4.52	Lansing	61	10	31.9	1.85
Lynn	60	— 5	32.1	4.69	Lathrop	44	— 4	19.4	2.30
Mansfield	59	— 2	32.8	3.82	Madison	62	14	33.0	2.30
Medford .....	.....	.....	3.35	Manchester .....	.....	.....	1.83	.....
Middleborough	65	1	33.8	2.90	Marshall	62	12	32.1	2.00
Milton*	62	0	33.5	3.57	May	58	7	29.7	2.10
Monson	61	— 1	30.8	3.43	Mio	52	— 3	23.7	1.94
Mount Nonotuck .....	.....	.....	4.00	Montague	50	8	28.9	1.64	
Mystic Lake .....	.....	.....	3.35	Mottville	64	4	33.8	1.99	
Mystic Station .....	.....	.....	3.25	Noble .....	.....	.....	1.92	.....
North Aurelius .....	.....	.....	1.90	North Aurelius .....	.....	.....	1.90	.....

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Michigan—Cont'd.	°	°	°	Ins.	Michigan—Cont'd.	°	°	°	Ins.
North Marshall	55	7	28.9	1.69	North Marshall	55	8	31.0	1.78
Olivet	62	10	31.0	2.08	Olivet	62	11	31.8	1.63
Oscego	62	— 10	30.4	1.63	Oscego	58	10	30.4	2.14
Ovid .....	.....	.....	.....	.....	Ovid .....	.....	.....	.....	1.44
Parkville .....	.....	.....	.....	.....	Parkville .....	.....	.....	.....	1.44
Paw Paw	63	11	33.8	1.91	Paw Paw	63	12	34.0	1.91
Pontiac	60	14	32.0	1.97	Pontiac	60	15	31.1	2.20
Pulaski	56	— 15	31.1	2.28	Pulaski	56	— 15	31.1	2.28
Rawsonville	62	16	33.6	1.98	Rawsonville	62	17	34.1	2.27
Romeo	60	8	32.6	1.98	Romeo	60	9	32.8	1.98
Roscommon	50	4	24.8	2.77</td					

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Tennessee—Cont'd.	0	0	0	Ins.	Vermont—Cont'd.	0	0	0	Ins.
McKenzie.....	74	26	49.6	8.30	Chelsea.....	48	-6	24.2	3.85
Milan(1).....	74	24	48.2	8.14	Cornwall.....	49	-18	19.5	3.80
Nunnelly.....	75	22	49.1	7.34	East Berkshire.....	56	-7	26.2	3.24
Parksville.....	74	27	53.1	8.32	Hartland.....	51	5	25.4	6.13
Riddleton.....	75	23	50.6	9.87	Jacksonville.....	48	-8	24.7	2.08
Rockwood†.....			10.35	Lunenburg*.....	46	-8	22.1	4.40	
Rogersville.....	70	28	48.5	7.17	Strafford*.....	58	-4	30.6	4.93
Rugby.....	72	20	47.0	11.75	Vernon.....	52	-7	24.2	....
Sharp's.....	76	28	51.5	9.94	Weathersfield C'tre Virginia.....	52	-7	24.2	....
Springdale.....	72	26	48.9	7.07	Abingdon.....	74	28	50.2	5.43
Strawberry Plains*.....			7.31	Birdshead*.....	73	21	43.3	4.07	
Trenton.....	74	23	47.0	8.50	Bolar*.....	61	12	36.3	4.45
Watkins.....	78	25	51.5	10.28	Christiansburgh†.....	75	18	44.8	3.99
Waynesborough.....	74	24	49.5	9.00	Dale Enterprise*.....	79	30	55.4	3.70
Woodstock.....	77	27	49.7	6.75	Fall Creek Depot.....	73	29	48.9	1.90
Texas.					Fort Monroe.....	73	21	43.3	4.07
Austin(1).....	80	22	60.6	4.54	Fort Myer.....	74	20	45.3	5.13
Austin(2)*.....	81	22	59.2	....	Lexington†.....	67	20	44.0	4.69
Brazoria*.....	83	30	61.9	4.08	Liberty.....	74	20	45.0	6.66
Brenham†.....	83	23	63.0	3.45	Marion.....	76	21	44.3	3.79
Brownwood†.....	81	17	53.5	2.19	Mossingford†.....	79	23	47.0	4.43
Caddo Peak*.....	83	14	52.2	2.30	Pottawatomie.....	76	26	47.1	2.70
Camp Del Rio.....	90	18	63.2	....	Richmond†.....	80	23	49.9	3.13
Camp Eagle Pass.....	93	27	64.2	0.22	Salem.....	68	28	46.9	6.06
C'p Pena Colorado*.....	83	16	48.7	....	Smithfield*.....	80	28	51.9	1.90
Childress.....	86	5	48.0	0.28	Spottswood*.....	79	28	50.2	3.00
College Station.....	84	20	62.4	3.28	Summit.....	73	16	42.0	....
Columbia Station.....	82	30	63.6	5.45	University of Va.....	75	18	45.0	4.45
Coracana(2).....	85	30	69.0	4.67	Woodstock†.....	74	20	45.8	4.88
Dallas(1).....	82	18	55.1	2.35	Washington.	52	12	35.6	1.97
Dallas(2).....	84	11	55.1	3.70	Blakeley†.....	51	16	35.6	1.97
Decatur†.....	84	10	50.0	1.95	Do Bay.....	55	18	42.6	5.60
Duval.....	85	21	60.6	3.55	Fort Canby.....	51	-21	22.2	1.08
Edinburgh†.....			0.00	Fort Spokane.....	55	9	34.8	1.01	
Epsworth†.....	77	10	47.1	0.62	Fort Townsend.....	52	-12	30.4	1.85
Forrestburgh*.....	14	45.4	1.87	Fort Walla Walla.....	59	6	37.8	7.81	
Fort Bliss.....	84	20	51.9	0.10	Vancouver B'ks.....	50	18	36.8	2.69
Fort Brown.....	89	35	67.0	1.15	Vashon.....	75	2	41.6	0.02
Fort Clark.....	83	25	60.0	0.55	West Indies.				
Fort Davis.....	80	19	52.6	T.	Grand Turk Island.....	81	79	79.9	0.32
Fort Elliott.....	78	2	41.6	0.02	Hamilton, Bermuda.....	72	49	63.8	2.92
Fort Hancock.....	83	7	47.4	0.00	West Virginia.				
Fort McIntosh.....	86	30	64.1	0.05	American Flag.....	25	6	40.4	6.16
Fort Ringgold.....	99	25	66.4	0.94	Charleston†.....	63	16	40.9	6.98
Fort Worth.....	85	9	56.3	1.04	Ella*.....	63	16	40.9	6.97
Fredericksburg.....	82	20	54.4	3.58	Glenville.....	75	16	46.7	9.97
Gallinas†.....	86	25	59.0	3.17	Harper's Ferry†.....	75	16	40.9	3.09
Graham†.....	85	11	49.6	1.41	Hinton.....	70	12	36.6	0.43?
Hartley.....	75	1	37.8	....	Kingwood*.....	70	12	36.6	....
Hearne†.....	81	20	56.8	3.35	Morganatown†.....	70	24	45.8	5.87
Houston.....	82	26	62.6	3.60	Oceana.....	70	24	45.8	7.99
Howe.....	79	12	49.6	3.06	Pleasant Hill*.....	68	10	37.0	6.08
Huntsville*.....	82	21	62.0	3.92	Point Pleasant†.....	70	12	36.8	5.54
La Grange.....	29	29	61.4	2.62	Rowlesburgh(1)†.....	70	28	44.2	5.54
Lampassas.....	86	17	58.1	3.31	Rowlesburgh(2)*.....	66	22	43.9	7.00
Longview*.....	82	20	57.4	12.85	Seven Pines*.....	69	16	42.4	1.00
Menardville†.....	82	16	52.2	1.47	Tannery*.....	70	23	47.5	Tempo.....
Merkel.....	15	45.4	0.80	Tyler Creek*.....	76	23	47.5	1.80	
Mesquite.....	81	16	55.1	3.71	Weston†.....	70	12	47.0	Wood Canon.....
Miami†.....			0.00	Wheeler*.....	70	12	47.0	....
New Braunfels.....	80	24	59.8	2.40	White Sulph'r Spgs., Wisconsin.....	75	2	39.3	4.71
New Ulm.....	84	22	61.0	3.09					
Ochiltree*.....	60	3	32.1	....	Alaska.				
Panhandle†.....	77	2	39.3	0.04	Killisnoo.....	40	1	20.4	2.05
Panter.....	88	14	50.4	1.32	Arizona.				
Round Rock*.....	82	20	58.4	1.90	American Flag.....	25	6	35.1	2.70
San Antonio.....	82	24	62.3	2.90	Birbee.....	25	6	35.8	2.34
Silver Falls.....	84	9	47.7	0.50	Calabasas.....	25	6	33.7	2.62
Tyler.....	81	16	57.8	1.30	Ella Cahuah Mts.....	25	6	30.1	3.80
Waco(2)†.....	80	18	58.1	4.88	Chloride.....	25	6	29.1	1.60
Utah.				Garrison's Ferry.....	25	6	29.1	1.60	
Alta.....	44	-12	27.8	6	Dripping Springs.....	25	6	29.1	2.21
Beaver†.....	72	-18	34.3	0.67	Dudleyville.....	25	6	29.1	1.63
Bingham†.....				Gillette.....	25	6	29.1	1.68	
Blue Creek*.....	59	2	34.8	0.85	Havasu.....	25	6	29.1	2.25
Corinne*.....	54	-10	30.6	1.55	Independence.....	25	6	29.1	1.37
Fort Douglas.....	58	6	33.6	2.05	Lakin.....	25	6	29.1	34.2
Fort DuChesne.....	48	2	29.2	0.27	Wellington.....	25	6	29.1	31.0
Kelton*.....	56	-14	31.7	0.65					
Levan.....	8	29.0	1.15	Nebraska.					
Loseef.....	63	-10	28.6	2.40	Show Low.....	25	6	29.1	1.85
Moab.....	62	3	38.8	1.28	Silver King.....	25	6	29.1	3.77
Mount Carmel†.....	8	29.2	1.94	Simmons.....	25	6	29.1	1.00	
Mount Pleasant.....	39	-20	22.5	3.46	Tempo.....	25	6	29.1	0.87
Nephi†.....	55	-20	29.1	0.63	Tres Alamos.....	25	6	29.1	1.80
Ogden(1)*.....	60	-16	30.2	3.92	Wood Canon.....	25	6	29.1	2.70
Ogden(2)*.....	67	-11	36.2	4.05					
Park City.....			0.80	California.					
Price*.....			0.05	Arcata.....	25	6	29.1	16.85	
Promontory*.....	56	-6	29.9	0.75	Bonhamt.....	25	6	29.1	1.70
Provo City.....			0.50	Delta.....	25	6	29.1	17.18	
Saint George*.....	71	13	43.6	1.05	Dunsmuir.....	25	6	29.1	23.60
Stockton.....			0.80	Edgewood.....	25	6	29.1	25.80	
Terrace*.....	45	-12	29.7	0.45	Galt.....	25	6	29.1	5.60
Vermont.				Glen Ellen.....	25	6	29.1	8.83	
Brattleborough(1).....	58	-4	26.1	3.98	Hornbrook.....	25	6	29.1	8.11
Brattleborough(2).....	56	4	26.2	1.98	Loonies.....	25	6	29.1	3.71
Burlington.....	51	-4	26.2	1.98	Montague.....	25	6	29.1	3.71
				Mount Hamilton.....	25	6	29.1	3.71	
				Ontario.....	25	6	29.1	3.71	
				Pleasanton*.....	25	6	29.1	6.05	
				Salton.....	25	6	29.1	19.28	
				Sonoma*.....	25	6	29.1	6.00	
				Vacaville.....	25	6	29.1	6.02	
				Walla Walla Ck.....	25	6	29.1	11.86	
				Florida.					
				Homeland.....	83	50	67.6	0.00	
				Santa Barbara.....	81	50	64.8	1.10	
				Georgia.					
				Thomasville(1).....	79	34	61.0	0.60	
				Idaho.					
				Kootenai.....	40	-10	16.1	2.79	
				Illinois.					
				Palestine.....	71	9	40.7	9.20	
				Indiana.					
				Laconia.....	68	14	43.4	6.60	
				Michigan.					
				Alta.....	38	-5	19.8	5	
				Blue Creek.....	44	-6	21.1	2.00	
				Mount Pleasant.....	33	1	15.0	1.49	
				Washington.					
				Vashon.....	46	18	35.0	0.43	
				Wisconsin.					
				Wausau.....	43	0	18.6	1.60	
				Colony Surinam, S.A.					
				Burnside Coronie.....	86	70	77.7	6.11	

Reports received too late to be used in general discussion of weather for February, 1890.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Arizona.	0	0	0	Ins.	Oregon—Cont'd.	0	0	0	Ins.
Chiri Cahuah Mts.				0.00	Cascade Locks*.				35.3
Colorado.					Corvallis.....	53	15	37.7	8.88
Platoro.....					Creswell*.....	57	12	38.6	9.75
Georgia.			</td						

Table of miscellaneous meteorological data for February, 1890—Signal Service observations.

Stations and districts.	Elevation above sea-level, feet.	Pressure, in inches.			Temperature of air, in degrees Fahrenheit.						Mean relative humidity per cent.	Wind.	Precipitation in inches.			Precipitation data since opening of station.			
		Mean actual.	Mean reduced.	Monthly range.	Monthly mean.	Departure from normal.	Maximum.	Minimum.	Mean maximum.	Greatest daily range.			Departure from normal precipitation.	Total amount, miles.	Miles per hour.	Cloudless days.	Partly cloudy days.	Cloudy days.	Days with rainfall.
New England.																			
Eastport.	53	29.99	30.05	1.53	32.1	+ 4.6	48	30.4	- 2	16.3	34	2	15.7	74.4	4.58	0.49	9.626	n.w.	
Portland.	99	29.96	30.07	1.48	26.6	+ 1.6	58	33.7	0	19.5	29	1	19.8	77.7	4.04	+ 0.38	6.511	n.	
Manchester.	247	29.82	30.00	1.42	28.2	- 5	57	36.6	- 6	19.8	46	5	20.5	78.4	3.96	-	4.630	w.	
Northfield.	872	29.10	30.10	1.41	22.2	-	56	31.8	- 7	12.5	40	1	15.1	75.0	-	-	8.311	s.	
Boston.	125	29.95	30.10	1.34	33.2	+ 5.2	44	41.2	12	25.3	37	3	24.5	74.3	3.12	- 0.54	9.088	w.	
Nantucket.	14	30.09	30.10	1.09	35.6	-	55	41.2	12	30.0	22	3	31.6	82.8	2.72	-	9.473	n.w.	
Wood's Hole.	22	30.09	30.11	1.20	34.5	-	50	40.1	12	28.9	24	6	29.2	82.8	2.84	- 0.58	1.939	n.w.	
Vineyard Haven.					38.4	-	63	47.3	12	29.6	32	6	23.2	-	-	-	2.1	n.w.	
Block Island.	26	30.09	30.12	1.16	37.2	+ 6.2	58	43.2	12	31.1	23	3	31.4	82.0	1.50	- 4.32	13.051	n.w.	
Narragansett Pier.	22				35.5	-	65	45.1	8	25.9	30	8	3.2	-	-	-	54	n.w.	
New Haven.	107	30.00	30.12	1.18	35.5	+ 6.5	43	41.0	10	27.9	31	5	28.2	81.0	3.19	- 1.22	5.226	n.w.	
New London.	47	30.05	30.11	1.18	36.8	+ 6.8	65	43.3	14	30.4	27	5	27.4	72.7	2.40	- 1.77	5.234	n.w.	
Mid-Atlantic States.					43.6	+ 7.1													
Albany.	85	30.04	30.14	1.35	31.0	+ 5.0	60	38.6	4	23.5	27	7	24.6	79.7	2.52	- 0.08	6.399	n.w.	
New York City.	185	29.91	30.12	1.12	40.4	+ 8.4	99	48.5	17	32.4	40	7	30.2	76.0	3.86	+ 0.05	8.363	n.w.	
Harrisburg.	377	29.71	30.13	0.98	37.6	-	74	44.6	18	30.7	36	4	36.3	77.4	3.39	-	5.238	n.w.	
Philadelphia.	117	30.01	30.13	1.00	41.4	+ 6.4	99	49.0	21	33.9	26	7	31.4	79.0	3.39	+ 0.10	7.970	n.w.	
Atlantic City.	53	30.05	30.12	0.95	41.2	+ 7.2	71	47.4	20	35.1	24	3	34.6	79.9	2.43	- 1.03	8.183	s.	
Baltimore.	76	30.03	30.12	0.93	43.4	+ 6.4	74	50.3	23	36.4	24	4	33.0	73.2	4.60	+ 1.27	3.661	ne.	
Washington City.	112	30.01	30.13	0.89	43.4	+ 7.4	73	51.2	24	35.7	34	5	33.6	74.9	4.20	+ 0.90	4.663	n.e.	
Cape Henry.					52.2	+ 9.2	80	60.9	31	43.6	28	6	1.33	-	-	-	3.1	s.w.	
Lynchburgh.	658	29.41	30.13	0.83	47.2	+ 6.2	74	58.1	25	38.4	35	6	30.2	79.4	4.22	+ 0.74	3.455	s.w.	
Norfolk.	43	30.09	30.13	0.76	52.4	+ 7.4	79	61.2	30	43.7	33	6	42.4	75.0	1.08	- 1.77	6.934	s.w.	
S. Atlantic States.					58.0	+ 6.8											42	s.e.	
Charlotte.	808	29.28	30.14	0.71	52.8	+ 5.8	79	61.6	28	44.1	30	3	42.8	76.1	3.65	- 0.78	4.410	s.	
Hatteras.	11	30.13	30.15	0.95	56.4	+ 9.4	73	62.2	39	50.7	24	4	52.2	88.8	3.23	-	1.58	n.w.	
Raleigh.	375	29.73	30.14	0.71	52.7	-	80	61.5	29	43.9	33	6	42.7	77.6	2.80	-	5.044	n.	
Southport.					56.2	+ 7.2	75	63.1	30	49.3	26	6	1.76	-	-	-	1.29	n.w.	
Wilmington.	52	30.09	30.15	0.50	58.4	+ 6.4	80	67.5	32	49.2	33	11	50.2	83.6	1.25	- 2.12	5.708	s.w.	
Charleston.	52	30.11	30.16	0.51	60.6	+ 5.6	79	67.9	32	53.2	33	6	54.2	85.2	1.28	- 2.24	4.338	s.w.	
Columbia.					57.6	-	82	67.1	32	48.0	27	8	1.58	-	-	-	1.29	s.e.	
Augusta.	183	29.98	30.17	0.58	58.2	+ 5.2	84	68.1	35	48.4	32	2	46.8	76.6	1.88	- 1.91	3.041	s.	
Savannah.	87	30.07	30.16	0.50	60.1	+ 5.2	80	70.3	38	52.1	33	4	51.4	81.8	1.02	- 2.12	5.059	s.w.	
Jacksonville.	43	30.11	30.16	0.47	64.8	+ 5.8	83	74.1	44	55.6	30	6	55.8	83.6	0.51	- 2.76	5.085	n.	
Florida Peninsula.					68.4	+ 2.9											1.84	s.e.	
Cedar Keys.	22	30.13	30.15	0.46	65.5	+ 4.5	75	70.4	49	66.6	20	4	60.6	88.4	0.67	- 2.40	6.755	n.	
Jupiter.	28	30.12	30.15	0.28	70.2	-	84	77.3	23	63.2	23	7	62.0	77.7	2.00	-	5.093	s.	
Key West.	22	30.11	30.13	0.27	73.3	+ 1.3	80	77.4	65	69.2	14	8	67.0	82.2	2.38	+ 0.65	7.015	e.	
Miccoa.					67.8	-	90	78.3	50	57.2	30	8	0.12	-	-	-	3.37	n.	
Titusville.	44	30.12	30.16	0.38	66.6	-	87	75.1	48	55.2	24	4	61.4	89.5	0.83	-	5.787	n.	
Eastern Gulf States.					80.8	+ 8.7											4.8	s.w.	
Atlanta.	1,139	28.94	30.14	0.52	54.8	+ 6.8	76	63.3	28	46.3	29	2	45.0	76.5	3.36	- 1.77	6.481	s.w.	
Pensacola.	56	30.03	30.12	0.54	63.0	+ 5.0	76	69.5	37	56.4	24	5	57.8	88.7	2.03	- 2.20	6.303	s.e.	
Auburn.					58.2	-	76	69.4	26	49.9	26	2	54.2	86.5	2.05	-	6.044	s.e.	
Mobile.	35	30.09	30.13	0.61	61.4	+ 5.4	76	69.2	36	53.0	26	6	55.3	88.3	2.95	- 1.95	6.136	s.e.	
Montgomery.	217	29.89	30.12	0.65	59.8	+ 5.8	81	69.4	30	50.2	32	8	48.6	75.0	3.43	- 2.13	4.040	s.w.	
Meridian.	358	29.72	30.12	0.76	58.0	-	80	67.6	29	48.5	32	8	48.7	80.6	7.78	-	4.539	s.	
Vicksburg.	222	29.83	30.06	0.80	60.0	+ 6.0	78	68.5	32	51.5	26	8	48.0	71.8	4.59	- 0.54	5.294	s.	
University.					54.2	-	82	63.3	26	45.2	30	8	5.5	-	-	-	7.55	n.w.	
New Orleans.	52	30.03	30.09	0.64	64.0	+ 5.0	82	72.9	40	55.1	29	2	50.4	84.2	2.27	- 2.23	6.336	s.e.	
Port Eads.					66.3	-	79	74.1	40	58.5	30	4	5.5	-	-	-	7.25	s.e.	
Western Gulf States.					87.6	+ 5.8											4.633	o.46	
Shreveport.	249	29.79	30.05	0.77	57.4	+ 5.4	80	66.4	22	48.5	35	5	47.7	76.3	4.03	- 0.14	5.381	s.	
Fort Smith.	493	29.55	30.09	0.90	48.0	-	78	58.1	7	38.0	36	4	37.7	76.8	6.27	- 1.84	5.383	s.	
Little Rock.	309	29.73	30.06	1.01	51.0	+ 4.0	78	58.8	20	43.3	33	4	42.2	76.5	6.48	- 0.06	5.200	s.e.	
Corpus Christi.	20	30.02	30.04	0.71	64.0	+ 7.0	85	69.9	30	58.0	26	5	58.2	84.8	2.01	-	9.293	s.e.	
Galveston.	44	30.03	30.07	0.72	63.7	+ 5.7	75	68.4	34	59.0	23	6	58.8	87.0	1.92	- 1.12	4.42	n.w.	
Palestine.	511	29.52	30.07	0.73	57.7	+ 4.7	81	67.1	19	48.3	37	4	47.4	75.9	4.95	- 1.27	5.617	s.e.	
San Antonio.	781	29.23	30.05	0.74	60.8	+ 3.8	82	70.4	24	51.1	39	7	47.4	70.8	2.92	- 1.00	6.577	s.e.	
Big Bend Valley.					68.8	+ 6.8											4.0	n.	
Brownsville.	57	29.97	30.03	0.73	68.6	+ 5.6	89	76.5	36	60.6	31	6	61.0	85.3	1.23	- 0.45	8.201	s.	
Rio Grande City.	230	29.80	30.04	0.78	68.4	+ 6.4	95	80.2	30	56.5	42	4	59.2	82.2	0.67	-	6.439	s.	
Ohio Val & Tenn.					68.4	-	80	80.2	30	56.5	42	4	56.7	84.4	2.66	-	3.0	s.e.	
Chattanooga.	783	29.31	30.15	0.65	54.0	+ 8.0	80	63.5	27	44.5	36	6	45.2	79.4	7.85	- 5.55	4.224	s.w.	
Knoxville.	980	29.05	30.14	0.67	51.8	+ 7.8	76	60.4	26	43.3	32	4	42.4	77.2	8.12	-	5.155	s.e.	
Memphis.	349	29.72	30.10	0.99</td															

Table of miscellaneous meteorological data for February, 1890—Signal Service observations—Continued.

Stations and districts.	Elevation above sea-level, feet.	Pressure, in inches.			Temperature of air, in degrees Fahrenheit.							Mean relative humidity, percent.	Precipitation, in inches.	Wind.			Maximum velocity.			Length of record, years.	Greatest for month.	Year.										
		Mean actual.	Mean reduced.	Monthly range.	Monthly mean.	Departure from normal.	Maximum.	Mean maximum.	Minimum.	Mean minimum.	Greatest daily range.			Total movement, miles.	Pervailing direction.	Miles per hour.	Date.															
Ex. northwest—Con.																																
Fort Yates																																
Upper Miss. Valley.																																
Saint Paul	831	29.14	30.08	1.12	18.5	2.5	51	26.8	-12	10.2	37	6	11.8	79.2	0.50	4,412	w.	35	w.	4	6	10	106.5	5.6	20	2.65	1881	0.01	1877			
La Crosse	744	29.27	30.10	1.00	23.8	4.8	53	31.4	-5	16.1	33	4	16.2	76.8	0.80	5,340	n.w.	29	n.w.	4	11	9	8	106.6	4.7	18	3.35	1875	0.11	1877		
Davenport	615	29.41	30.10	0.95	31.4	6.4	63	38.7	4	24.1	27	21	19.7	94.6	1.10	5,065	n.w.	32	n.w.	7	7	9	12	106.1	4.5	19	4.87	1887	0.07	1877		
Des Moines	869	29.14	30.10	1.01	26.9	3.9	59	35.1	-5	18.7	31	6	16.7	71.0	1.17	5,718	n.w.	34	n.w.	7	12	8	12	106.2	4.4	19	2.68	1881	0.17	1880		
Dubuque	651	29.35	30.08	0.98	28.6	6.6	58	36.3	-1	20.9	28	6	22	83.8	1.25	5,927	n.w.	24	n.	25	6	7	15	135.5	4.6	17	3.75	1881	0.26	1877		
Keokuk	613	29.44	30.13	0.96	32.8	4.8	67	40.8	-1	24.9	29	4	25.6	80.4	1.09	4,610	w.	25	w.	8	4	8	12	85.6	6.1	19	6.13	1883	0.15	1877		
Cairo	359	29.70	30.09	0.92	44.6	4.6	75	51.7	18	37.6	28	2	36.4	76.7	5.75	4,343	s.e.	30	s.w.	14	6	5	17	147.4	6.2	19	10.14	1882	0.25	1877		
Springfield, Ill.	644	29.39	30.09	0.95	35.8	3.8	71	43.5	4	28.2	24	6	27.8	78.5	2.01	2,160	n.w.	36	n.w.	19	7	4	17	107.0	6.4	11	7.92	1882	0.94	1885		
Saint Louis	571	29.49	30.12	1.02	20.2	4.2	78	48.4	4	32.0	26	7	31.3	76.3	2.86	8,045	s.w.	37	n.w.	19	7	7	14	25.9	5.8	12	8.64	1882	0.87	1885		
Missouri Valley.																																
Columbia.																																
Kansas City	947	29.07	30.13	0.96	34.0	—	71	41.6	—	27.0	43	8	29.9	76.2	2.34	5,669	n.w.	32	n.w.	8	5	6	17	12	6.2	1	.....	.....	.....
Springfield, Mo.	1,356	28.61	30.09	0.91	40.2	—	76	49.5	—	30.9	36	4	32.0	82.6	5.22	7,478	s.e.	36	w.	25	6	4	18	136.1	6.0	19	5.29	1882	0.22	1888		
Leavenworth	842	29.21	30.13	0.97	32.3	1.3	70	40.5	-3	24.1	37	3	25.3	80.2	0.54	0.94	s.e.	27	n.w.	7	9	2	17	6.5	8.1	19	4.84	1881	0.20	1876		
Topeka																																
Omaha	1,173	28.92	30.15	1.06	25.2	1.2	62	33.5	-12	17.0	33	3	15.6	71.9	0.54	0.26	6,367	n.w.	38	n.w.	7	8	8	12	84.7	4.9	20	3.09	1881	0.04	1873	
Crete																																
Valentine	2,613	27.29	30.18	1.02	23.9	—	66	32.4	-18	13.4	35	7	10.6	66.4	0.40	8,364	n.w.	44	n.w.	7	9	8	11	105.7	5.0	1	1.49	1890	0.25	1889		
Sioux City	1,158	28.83	30.16	1.13	22.9	—	62	32.4	-18	13.4	35	7	10.6	66.4	0.40	7,512	n.w.	36	s.e.	2	9	8	11	65.5	5.4	1	.....	.....	.....	.....
Fort Sully	1,600	28.36	30.15	1.09	15.0	—	56	26.0	-30	3.9	49	4	5.4	72.2	0.20	6,235	d.w.	43	d.w.	7	9	13	6	65.0	5.2	12	0.91	1875	0.03	1877		
Huron	1,307	28.07	30.15	1.16	13.0	—	1.0	45	23.1	-24	2.9	35	5	4.9	74.8	0.18	7,804	n.w.	45	n.w.	7	7	12	9	4.4	8.1	9	1.11	1887	0.10	1886	
Yankton	1,232	28.75	30.12	1.16	21.0	—	2.0	60	30.8	-17	11.3	38	5	11.0	72.6	0.46	7,947	n.w.	39	n.w.	7	5	10	13	5.6	5.7	17	2.70	1881	0.09	1882	
Northern Slope.																																
Ft. Assiniboina	2,690	27.16	30.16	1.14	2.8	1.2	50	13.0	-40	7.5	54	2	—	5.6	75.7	0.69	5,584	s.w.	48	s.w.	3	8	11	9	94.6	6.2	1	1.47	1888	0.05	1887	
Fort Custer	3,040	26.80	30.09	1.09	17.6	—	3.4	54	28.8	-34	6.3	49	7	12.3	95.0	0.24	6,088	n.w.	52	s.w.	4	6	10	12	6.0	5.5	11	2.29	1884	0.02	1882	
Fort Maginnis	4,340	26.80	30.09	1.09	15.8	—	4.2	50	30.6	-43	0.9	69	10	0.60	0.82	5,000	n.w.	60	w.	11	11	11	11	6.1	5.5	1	3.37	1888	0.59	1883	
Helema	4,059	25.76	30.08	1.08	16.8	—	6.2	57	24.1	-29	9.4	34	5	6.0	66.6	0.82	0.19	4,112	n.w.	60	w.	6	13	12	3	53.3	4.8	1	1.33	1884	0.12	1888
Rapid City	3,280	26.57	30.13	0.99	22.5	—	66	34.9	-27	10.1	46	7	8.2	64.6	0.66	0.04	5,946	e.	48	s.e.	4	3	10	15	106.6	6.0	6	1.62	1888	0.19	1882	
Cheyenne	6,105	23.87	30.01	0.97	28.2	—	1.2	61	38.9	-20	17.4	36	8	5.1	47.6	0.59	0.31	6,135	w.	64	w.	4	6	13	19	95.0	5.2	1	3.31	1889	0.02	1873
Fort McKinney	5,000	24.81	30.06	0.90	23.0	—	66	45.4	-22	11.1	45	9	11.2	71.2	0.50	0.16	6,245	n.w.	84	s.w.	4	7	8	13	7.6	5.9	3	0.81	1889	0.50	•	
Fort Washakie	5,580	24.32	30.02	0.97	25.4	—	60	35.8	-24	15.0	38	6	10.4	60.9	0.31	0.16	4,985	b.w.	50	s.w.	3	10	9	9	3.5	5.0	5	0.94	1889	0.25	1889	
North Platte	2,841	27.08	30.13	0.94	27.2	—	1.2	69	39.1	-16	15.2	42	4	14.0	68.4	0.38	0.01	6,154	n.w.	42	no.	24	6	15	7	4.6	5.4	6	1.38	1883	0.03	1880
Middle Slope.																																
Colorado Springs																																
Denver	5,281	24.65	30.00	0.99	34.0	—	2.0	77	46.5	-12	18.1	42	10	13.0	58.2	0.13	0.31	.....	.....	16	10	2	12	33.0	3.2	6	0.60	1889	0.13	1890
Pueblo	4,753	25.16	30.08	0.98	34.6	—	2.0	77	49.7	-14	19.4	47	11	7.4	43.8	0.25	0.02	5,280	s.e.	48	n.	10	8	12	8	74.5	4.9	19	1.22	1881	0.11	1876
Concordia	1,410	28.60	30.18	1.00	29.4	—	71	39.1	-7	19.7	37	7	19.6	76.7	0.25	0.44	5,206	n.	30	s.	25	13	10	15	3.3	3.8	5	0.88	1886	0.25	1890	
Dodge City	2,523	27.38	30.12	0.95	32.4	—	0.4	78	45.0	-6	19.8	46	5	16.7	69.6	0.39	0.16	7,247	n.w.	46	n.	11	9	12	12	5.5	4.5	1	1.63	1881	T.	1880
Wichita	1,366	28.60	30.11	0.94	35.3	—	0	73	44.8	0	25.8	34	5	25.1	74.0	0.35	0.01	6,169	s.e.	38	n.w.	7	7	14	14	5.5	5.0	2	0.57	1883	0.35	1890
Fort Reno																																
Fort Supply																																
Fort Elliott	2,690	26.19	29.98	0.67	48.2	—	2.2	82	66.7	19	37.0	46	10	14.6	27.2	0.02	0.50															